Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com

BY U.S. MAIL
RETURN RECEIPT REQUESTED

June 30, 2014

Ms. Susan Mackert
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

RE: Dominion Possum Point Power Station VPDES Permit No. VA0002071
Permit Modification Request

Dear Ms. Mackert:

Virginia Electric & Power Company d/b/a Dominion Virginia Power (Dominion) is submitting the enclosed application to modify the subject permit for the following reasons:

1) To incorporate stormwater discharges that may result from improvement activities which may disturb ash within the drainage area associated with the inactive Ash Ponds ABC;
2) To recognize the discharge from the Unit 6 Reverse Osmosis (RO) trailers as a permanent discharge; and
3) To incorporate several additional minor changes to permit language and update outfalls description in the permit.

The enclosed documents include the updated application forms, flow diagram, maps, public notice authorization, and copies of the permit application fee form and check.

Should you have any questions and/or require additional information, please contact Oula Shehab-Dandan at 804-273-2697 or via email at oula.k.shehab-dandan@dom.com.

Sincerely,

Cathy C. Taylor
Director, Electric Environmental Services

ebc:
Ed Baine
Pamela Faggert
Cathy Taylor
Jeffrey Heffelman
Jeff Marcell
Ken Roller
Keith Homza
Rick Woolard
Oula Shehab-Dandan

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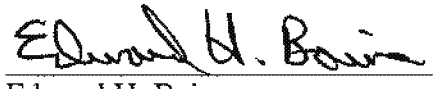
Document type = Permit – Applications;
Environmental Program = Water – NDPES;
Facility Name = Possum Point
File Name = PP VA0002071 VPDES Permit Modification Request

Dominion Possum Point Power Station
VPDES Permit No. VA0002071
Permit Modification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Edward H. Baine
VP Power Generation System Operations
(804) 273-3592

EPA Form 2F

Please print or type in the unshaded areas	EPA ID Number *(copy from item 1 of Form 1)* **110000340774**	Form Approved. OMB No. 2040-0086

Form **2F** NPDES

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number *(list)*	B. Latitude			C. Longitude			D. Receiving Water *(name)*
S104	**38**	**32**	**38**	**77**	**17**	**09**	**Quantico Creek**

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
Not Applicable					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structure control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each are not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

Continued on Page 2

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
S104	**3.5 acres**	**44 acres**			

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

See Attachment A for description of the drainage area contributing to Outfall S104.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
S104	**Stormwater contributing to Outfall S104 originates from areas of the station where no industrial activities are currently located. If improvement activities require that ash is disturbed, then best management practices (e.g., straw bales, silt fences, check dams) will be utilized to reduce associated pollutants in storm water runoff.**	**1-O, 4-A**

V. Non Stormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name of Official Title *(type or print)*	Signature	Date Signed
Edward H. Baine **VP Power Generation System Operations**	Edward H. Baine	06/30/14

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

On 4/2/2014, a grab sample was collected from the discharge pipe associated with Outfall S104. The discharge resulted from stormwater that had ponded behind the discharge structure associated with Ponds ABC. The sample was analyzed by Dominion's Laboratory Services and the analyses are included in Section VII. of this form.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

No spills or leaks of toxic or hazardous pollutants have occurred within the drainage area associated with S104 in the last three years.

Continued on Page 3

EPA ID Number *(copy from Item I of Form 1)*
110000340774

VII. Discharge Information

A,B,C, & D: See instruction before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables VII-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes *(list all such pollutants below)* ☒ No *(go to Section IX)*

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes *(list all such pollutants below)* ☒ No *(go to Section IX)*

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IX. Contact analysis Information

Were any of the analysis reported in item VII performed by a contact laboratory or consulting firm?

☒ Yes *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☐ No *(go to Section X)*

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Dominion Laboratory Services (DLS)	**11201 Old Stage Road Chester, VA 23836**	**(804) 771-5905**	**The data for all parameters submitted with this application were generated by DLS.**

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title *(type or print)*	B. Area Code and Phone No.
Edward H. Baine **VP Power Generation System Operations**	**(804) 273-3592**
C. Signature: Edward H. Baine	D. Date Signed: 04/30/14

EPA ID Number *(copy from Item 1 of Form 1)*
110000340774

Form Approved. OMB No. 2040-0086

Outfall S104

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. **Outfall S104**

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	--	--	--	--		--
Biological Oxygen Demand (BOD5)	--	--	--	--		--
Chemical Oxygen Demand (COD)	**17.80 ppm**	**N/A**	**17.80 ppm**	**N/A**	**1**	**General Site Runoff**
Total Suspended Solids (TSS)	**3.4 ppm**	**N/A**	**3.4 ppm**	**N/A**	**1**	**General Site Runoff**
Total Organic Nitrogen	**0.41 ppm**	**N/A**	**0.41 ppm**	**N/A**	**1**	**General Site Runoff**
Total Phosphorus	**0.05 ppm**	**N/A**	**0.05 ppm**	**N/A**	**1**	**General Site Runoff**
pH	**8.8 Minimum**	**8.8 Maximum**	**8.8 Minimum**	**8.8 Maximum**	**1**	**General Site Runoff**

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
pH	**See Part A**	**N/A**	**N/A**	**N/A**	**1**	--
Phosphorous Total	**See Part A**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Ammonia	**See Part C**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Nitrogen Total	**See Part A**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Nitrate-Nitrite N Total	**See Part C**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Copper Total	**See Part C**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Copper dissolved	**See Part C**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Chromium Total	**See Part C**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Zinc Total	**See Part C**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Iron Total	**See Part C**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
TPH	**See Part C**	**N/A**	**N/A**	**N/A**	**1**	**N/A**
Total Suspended Solids	**See Part A**	**N/A**	**N/A**	**N/A**	**1**	**General Site Runoff**
Oil & Grease	--	**N/A**	**N/A**	**N/A**	--	--
126 Priority Pollutants in cooling tower additives.	**None of the 126 priority pollutants are present in cooling tower additives**		**N/A**	**N/A**	**N/A**	**N/A**

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L unless otherwise noted)*		Average Values *(mg/L unless otherwise noted)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia, Total	0.04	N/A	N/A	N/A	1	General Site Runoff
Fluoride	0.069	N/A	N/A	N/A	1	General Site Runoff
Nitrate + Nitrite	1.67	N/A	N/A	N/A	1	General Site Runoff
Nitrogen, Total Org. as N	0.41	N/A	N/A	N/A	1	General Site Runoff
Dissolved Solids, Total	187.0	N/A	N/A	N/A	1	General Site Runoff
Chloride as Cl	45.61	N/A	N/A	N/A	1	General Site Runoff
Phosphorus (as P), Total	0.05	N/A	N/A	N/A	1	General Site Runoff
Sulfate as SO4	22.93	N/A	N/A	N/A	1	General Site Runoff
Aluminum, Total	0.253	N/A	N/A	N/A	1	General Site Runoff
Barium, Total	0.262	N/A	N/A	N/A	1	General Site Runoff
Boron, Total	0.08	N/A	N/A	N/A	1	General Site Runoff
Cobalt, Total	0.002	N/A	N/A	N/A	1	General Site Runoff
Iron, Total	0.77	N/A	N/A	N/A	1	General Site Runoff
Magnesium, Total	7.32	N/A	N/A	N/A	1	General Site Runoff
Molybdenum, Total	0.003	N/A	N/A	N/A	1	General Site Runoff
Manganese, Total	0.04	N/A	N/A	N/A	1	General Site Runoff
Tin, Total	<0.005	N/A	N/A	N/A	1	N/A
Titanium, Total	<0.002	N/A	N/A	N/A	1	N/A
Antimony, Total	0.001	N/A	N/A	N/A	1	General Site Runoff
Arsenic, Total	0.002	N/A	N/A	N/A	1	General Site Runoff
Beryllium, Total	<0.0002	N/A	N/A	N/A	1	N/A
Cadmium, Total	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Total	0.001	N/A	N/A	N/A	1	General Site Runoff
Copper, Total	0.005	N/A	N/A	N/A	1	General Site Runoff
Lead, Total	<0.0001	N/A	N/A	N/A	1	N/A
Mercury, Total	<0.0001	N/A	N/A	N/A	1	N/A
Nickel, Total	0.027	N/A	N/A	N/A	1	General Site Runoff
Selenium, Total	0.004	N/A	N/A	N/A	1	General Site Runoff
Silver, Total	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Total	0.0004	N/A	N/A	N/A	1	General Site Runoff
Zinc, Total	0.072	N/A	N/A	N/A	1	General Site Runoff
Vanadium, Total	0.030	N/A	N/A	N/A	1	General Site Runoff
Phenol	<0.01	N/A	N/A	N/A	1	N/A
Hardness as CaCO3, Total	59.85	N/A	N/A	N/A	1	General Site Runoff
Vanadium (dissolved)	0.025	N/A	N/A	N/A	1	N/A
Tl (dissolved)	<0.0003	N/A	N/A	N/A	1	N/A
Ti (dissolved)	<0.002	N/A	N/A	N/A	1	N/A
Sn (dissolved)	<0.005	N/A	N/A	N/A	1	N/A
Sc (dissolved)	0.004	N/A	N/A	N/A	1	General Site Runoff
Sb (dissolved)	0.001	N/A	N/A	N/A	1	General Site Runoff
Pb (dissolved)	<0.001	N/A	N/A	N/A	1	N/A
Ni (dissolved)	0.021	N/A	N/A	N/A	1	General Site Runoff
Mo (dissolved)	0.003	N/A	N/A	N/A	1	General Site Runoff
Hg (dissolved)	<0.0001	N/A	N/A	N/A	1	N/A
Cu (dissolved)	0.004	N/A	N/A	N/A	1	General Site Runoff
Cr (dissolved)	<0.001	N/A	N/A	N/A	1	N/A
Co (dissolved)	0.0013	N/A	N/A	N/A	1	General Site Runoff
Cd (dissolved)	<0.0003	N/A	N/A	N/A	1	N/A
Be (dissolved)	<0.0002	N/A	N/A	N/A	1	N/A
Ba (dissolved)	0.204	N/A	N/A	N/A	1	General Site Runoff
As (dissolved)	<0.002	N/A	N/A	N/A	1	N/A
Ag (dissolved)	<0.0001	N/A	N/A	N/A	1	N/A
Zn (dissolved)	0.027	N/A	N/A	N/A	1	General Site Runoff
Mn (dissolved)	<0.02	N/A	N/A	N/A	1	N/A
Mg (dissolved)	7.04	N/A	N/A	N/A	1	General Site Runoff
Fe (dissolved)	0.11	N/A	N/A	N/A	1	General Site Runoff
Al (dissolved)	0.074	N/A	N/A	N/A	1	General Site Runoff

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

OUTFALL	1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during event (gallons/minute)	6. Total flow from rain event (gallons)
N/A						

A grab sample was taken from Outfall S104 on 4/2/2014. The discharge is from stormwater accumulated in the pond from previous storms.

7. Provide a description of the method of flow measurement or estimate

N/A

FORM 2F- ATTACHMENT A

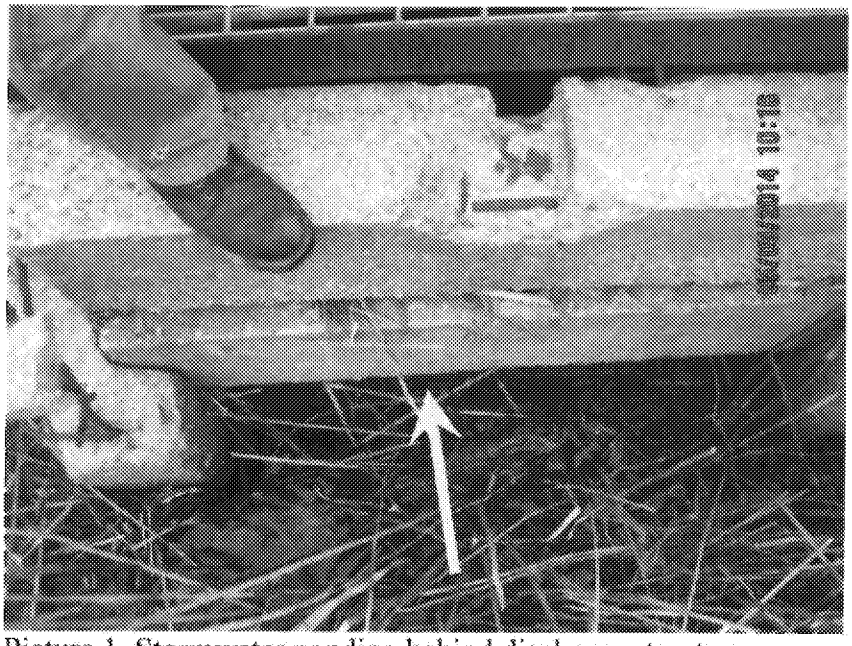
Stormwater Discharge from the Drainage Area Associated with Ash Ponds ABC

Ash ponds ABC were actively utilized during the period from 1955 through the early 1960s. Subsequently, the ponds have been reclaimed by a natural vegetative cover. The drainage area containing the inactive ash ponds and the associated storm water outfall (previously referred to as Outfall S104) have been addressed in Possum Point's VPDES permits. A summary of the permitting history associated with this area was provided to DEQ by letter dated May 2, 2014 (attached).

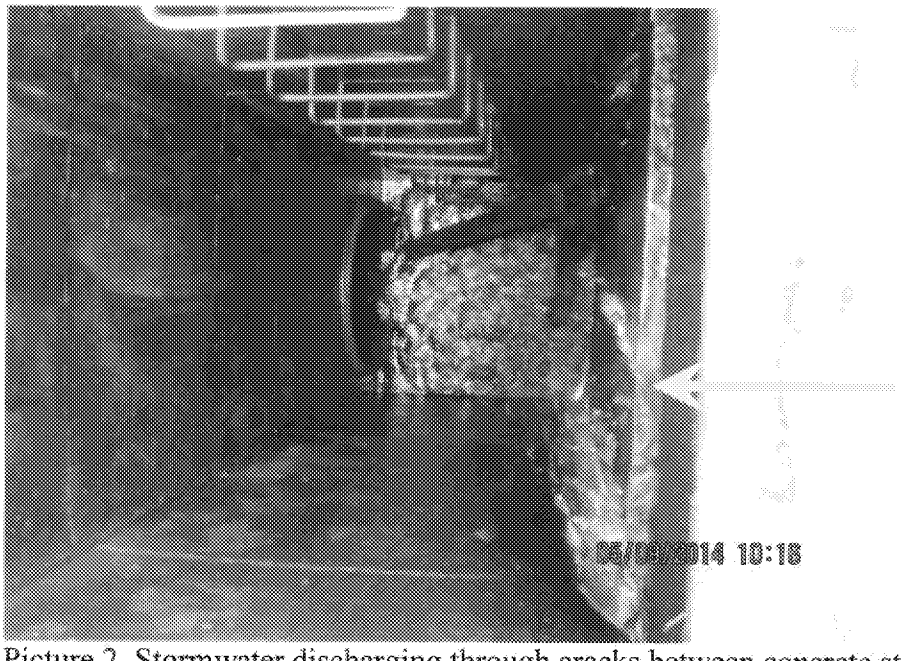
The ponds were originally constructed such that the natural drainage flowed from Pond A to Pond B to Pond C where the accumulated runoff was released to Quantico Creek through a discharge structure, which remains intact today. A recent site inspection conducted by Dominion staff revealed that the natural drainage within the area has been obstructed resulting in the erosion of a small portion of the berm associated with the ponds. Recent activities to restore the berm height to the original design have returned the stormwater flow to its natural path. However additional improvements within the area may be needed. These improvements may allow previously covered ash to come into contact with stormwater runoff. Consequently, Dominion wishes to permit the resulting discharge from Pond C as stormwater associated with industrial activity and we are providing the required Form 2F with this application.

A sample of the water released from the discharge structure associated with Pond C was collected on April 2, 2014 and was analyzed for parameters that have been detected in discharges from Ash Ponds D and E at the Possum Point Power Station. The results of these analyses are contained in Part VII of the attached Form 2F. Please note that the sample was not analyzed for Oil and Grease or Biological Oxygen Demand (BOD5). Data for these parameters will be generated and provided to DEQ to complete Section VII Part A of the application.

With respect to the Non-Stormwater Discharge certification submitted with this application, the area associated with Ponds ABC has been inspected weekly since March, 2014 and a discharge from Outfall S104 has been consistently observed throughout this period. The origin of all observed discharges has been stormwater, which had ponded behind the discharge structure associated with Pond C (Picture 1). Throughout the period of observation the discharge resulted from the leaking of ponded water through cracks between concrete stop logs associated with the discharge structure (Picture 2). No other sources of non-stormwater discharge are known to contribute to this outfall.



Picture 1. Stormwater ponding behind discharge structure



Picture 2. Stormwater discharging through cracks between concrete stop logs

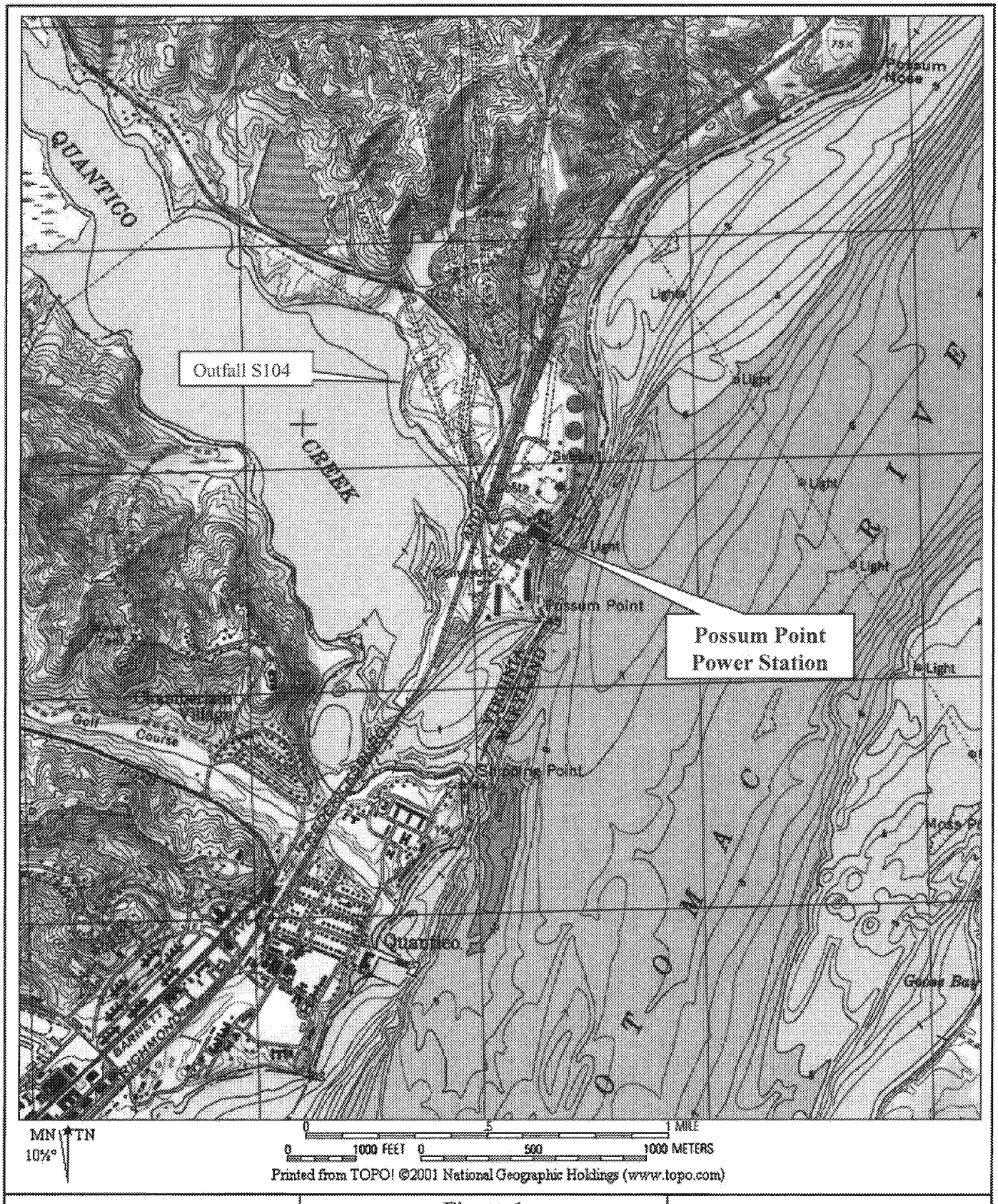
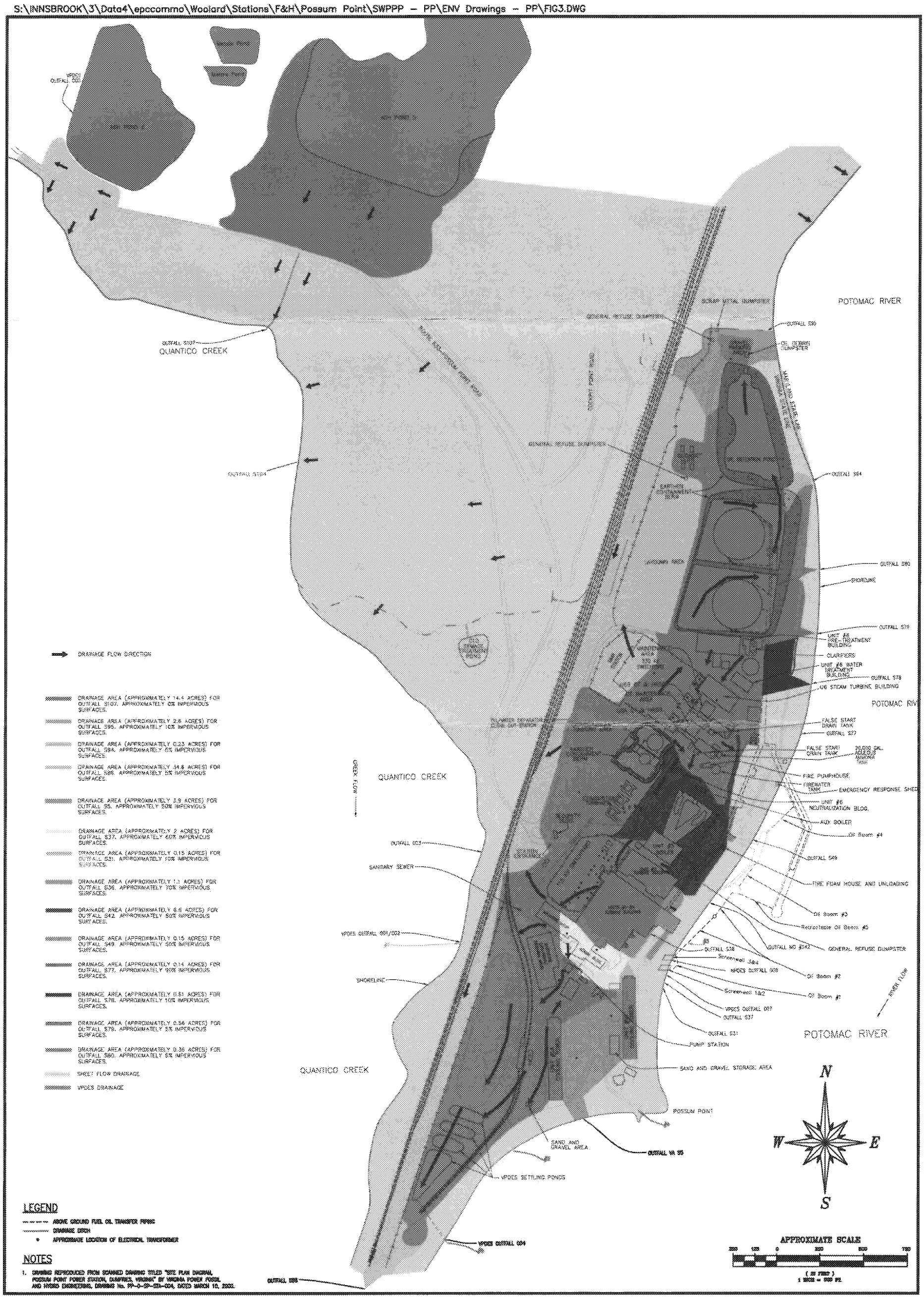


Figure 1
Site Location Map

Dominion Generation
Possum Point Power Station
Dumfries, Virginia

S:\INNSBROOK\3\Data4\epccommo\Woolard\Stations\F&H\Possum Point\SWPPP – PP\ENV Drawings – PP\FIG3.DWG



LEGEND

- ABOVE GROUND FUEL OIL TRANSFER PIPING
- DRAINAGE DITCH
- APPROXIMATE LOCATION OF ELECTRICAL TRANSFORMER

NOTES

1. DRAWING REPRODUCED FROM SCANNED DRAWING TITLED "SITE PLAN DIAGRAM, POSSUM POINT POWER STATION, DUMFRIES, VIRGINIA" BY VIRGINIA POWER FOSSIL AND HYDRO ENGINEERING, DRAWING No. PP-0-SP-STA-004, DATED MARCH 10, 2003.

DOMINION ENERGY

SITE PLAN
DRAINAGE AREA
POSSUM POINT POWER STATIO

0	ORIGINAL ISSUE	DSGN ———	DSGN SUPV ———
		DRWN TTT	ENGR SUPV ———
		CHKD RAW	PROJ ENGR

DRAWING NUMBER
PP-0-SP-STA

00013296

DOMINION LABORATORY SERVICES

REPORT PRODUCED ON 04/07/2014

ANALYSIS TEST RESULTS BY SAMPLE

Location: POSSUM POINT

Submitter: KEN ROLLER

Dominion Laboratory Number: 421572
Description : DISCHARGE
Unit: 0

Sample Date: 04/02/2014

Parameter	Result
Ammonia as N, PPM	0.04
Boron as B, PPM	0.08
Chloride as Cl, PPM	45.61
Fluoride as F, PPM	0.069
Sulfate as SO4, PPM	22.93
Silver as Ag, ppb	< 0.1
Dis. Ag, ppb	< 0.1
Arsenic as As, ppb	2.
Dis. As, ppb	< 2.
Barium as Ba, ppb	262.
Dis. Ba, ppb	204.
Beryllium as Be, ppb	< 0.2
Dis. Be, ppb	< 0.2
Cadmium as Cd, ppb	< 0.3
Dis. Cd, ppb	< 0.3
Cobalt as Co, ppb	2.0
Dis. Co, ppb	1.3
Copper as Cu, ppb	5.
Dis. Cu, ppb	4.
Chromium as Cr, ppb	1.
Dis. Cr, ppb	< 1.
Mercury as Hg, ppb	< 0.10
Dis. Hg, ppb	< 0.10
Molybdenum as Mo,ppb	3.
Dis. Mo, ppb	3.
Nickel as Ni, ppb	27.
Dis. Ni, ppb	21.
Lead as Pb, ppb	< 1.
Dis. Pb, ppb	< 1.
Antimony as Sb, ppb	1.
Dis. Sb, ppb	1.
Selenium as Se, ppb	4.
Dis. Se, ppb	4.
Thallium as Tl, ppb	0.4
Dis. Tl, ppb	< 0.3
Titanium as Ti, ppb	< 2.
Dis. Ti, ppb	< 2.
Tin as Sn, ppb	< 5.
Dis. Sn, ppb	< 5.
Magnesium as Mg, PPM	7.32
Dis. Mg, PPM	7.04
Manganese as Mn, PPM	0.04
Dis. Mn, PPM	< 0.02
Iron as Fe, PPM	0.77
Dis. Fe, PPM	0.11
Zinc as Zn, PPM	0.072
Dis. Zn, PPM	0.027
COD, PPM	17.80
TOC, PPM	8.2
TSS, PPM	3.4
Total Phos. as P,PPM	0.05
T-Dis. Solids, PPM	187.0
T-Hard. as CaCO3,PPM	59.85
TK Nitrogen as N,PPM	0.41
NO3+NO2, PPM	1.67
Phenol, PPM	< 0.01

ANALYSIS TEST RESULTS BY SAMPLE

Location: POSSUM POINT

Submitter: KEN ROLLER

Dominion Laboratory Number: 421572
Description : DISCHARGE
Unit: 0

Sample Date: 04/02/2014

Parameter	Result
Aluminum as Al, ppb	253.
Dis. AL, PPB	74.

DOMINION LABORATORY SERVICES

REPORT PRODUCED ON 04/07/2014

ANALYSIS TEST RESULTS BY SAMPLE

Location: POSSUM POINT

Submitter: KEN ROLLER

Dominion Laboratory Number: 421573
Description : EQUIP BLK
Unit: 0

Sample Date: 04/02/2014

Parameter	Result
Dis. Ag, ppb	< 0.1
Dis. As, ppb	< 2.
Dis. Ba, ppb	< 3.
Dis. Be, ppb	< 0.2
Dis. Cd, ppb	< 0.3
Dis. Co, ppb	< 0.6
Dis. Cu, ppb	< 1.
Dis. Cr, ppb	< 1.
Dis. Hg, ppb	< 0.10
Dis. Mo, ppb	< 1.
Dis. Ni, ppb	< 5.
Dis. Pb, ppb	< 1.
Dis. Sb, ppb	< 1.
Dis. Se, ppb	< 2.
Dis. Tl, ppb	< 0.3
Dis. Ti, ppb	< 2.
Dis. Sn, ppb	< 5.
Dis. Mg, PPM	< 0.01
Dis. Mn, PPM	< 0.02
Dis. Fe, PPM	< 0.05
Dis. Zn, PPM	< 0.010
Dis. AL, PPB	< 1.

00013300

423440 Amendite Asap

ON ICE
0.8°C

3 ft / 5 sec
depth 3"
width = 14"

Location:	Possum Point Discharge	Requested by: KWR	Priority:
Required Date:		Phone:	Date Analysis Complete:
Comment:		Sampled by: WGB	Date Approved Released:

Bottle Types: O/G=Oil and Grease, PT=Phenols Total, V=Volatiles, M=Metals, A=[Ammonia,TKN,TP,COD,NO_3/NO_2], BOD=Biological Oxygen Demand
TOC=Total Organic Carbon, TSS=[Total Suspended Solids,B,F,NO_3/NO_2,SO_4,TDS,Chloride]
ABN=Acid Base Neutrals, PP=Pesticide/PCBs

Preservatives: HCl=Hydrochloric acid, CS=Cu Sulfate, S=Sulfuric acid, N=Nitric acid, ZA=Zinc acetate, SH=Sodium Hydroxide

NOTE:

Consider:
Flow
Temp (W+S)
pH
TRC
Sulfite

pH= 8.80
Cond= 270
Temp= 7.14°C

Tests Required 1= Phenol total, [Ammonia, TKN, TP, COD, NO_3/NO_2], TOC
2= [TSS, *TDS*, B, F, NO_3/NO_2, *Chlorides*, SO_4]
3= TR and Diss Metals Ba, Co, Fe, Mg, Mo, Mn, Sn, Sb, As, Cd, Cu, Pb, Ni, Tl, Zn + Hardness

X - PLACE AN "X" IN THE BOX FOR SAMPLES TO BE SUBMITTED

System Lab Number	x	Sample ID	Sample Date	Sample Time	Comp	Grab	Preservative: HCl O/G	CS,S PT	HCl N M	S A	BOD	HCl TOC	TSS	P/P	Test Required	Notes
423572		Possum PT Discharge	4/2/2014	1710		✓		1	2	1		1	1		1,2,3	
423573		Equip b	4/2/2014	1700		✓			1						3	

Relinquished by: (Signature)	Date 4/3/14	Time 0905	Received by: (Signature)	Date 4/3/14	Time 0907
Relinquished by: (Signature)	Date 4/3/14	Time 0950	Received by: (Signature)	Date 4/3/14	Time 950

Dominion Resources
Laboratory Services
11202 Old Stage Road
Chester, VA 23836

Dominion Laboratory Login Checklist

Station/Study: PP		WO#: 423940	
Thermometer Used: 61951674 ☐ 61951693 ☐ 130565182 ☑		Temp: 0.6	
	Type of Ice: Wet	Blue	None
Chain of Custody Present	Yes	No	N/A
Chain of Custody Filled Out	Yes	No	N/A
Chain of Custody Relinquished	Yes	No	N/A
Sampler Name on COC	Yes	No	N/A
Samples Labels match COC	Yes	No	N/A
Includes date/time/ID/Analysis	Yes	No	N/A
All entries in Ink	Yes	No	N/A
Samples Arrived within Holding Time	Yes	No	N/A
Short Hold Time Analysis (<72hr)	Yes	No	N/A
Rush Turn Around Time Requested	Yes	No	N/A
Sufficient Volume	Yes	No	N/A
Correct Containers Used	Yes	No	N/A
Containers Used: (circle)	NH3	Solids	O&G
	ICE	OPO4	ABN
	IC	DRO	Phenol
	Hardness	Radioactivity	Volatiles
	Grain Size	Metals (Total or Dissolved)	
	Other:		
# of Bottles on COC correct	Yes	No	N/A
Filtered Volume received for Dissolved Tests	Yes	No	N/A
Custody Seal Intact	Yes	No	N/A
Date/Time Received: 4/3/14 930			
Received by: CB			
Due Date on COC match worksheet	Yes	No	N/A
Tests Required on COC match worksheet	Yes	No	N/A
Verified by: [signature]		Date: 4/3/14	

Additional Modification Requests

Additional Modification Requests

1. We request that the DEQ add uncontaminated river water to the Storm Water allowable discharges in Part I.E.1.b.1of the permit; similar requests have been granted for other Dominion stations.

2. We request that DEQ approve the use of water from the Seal Pit as back-up raw water supply for Unit 6. The updated flow diagram reflects the change, which should have no impact to Outfall 001/002 discharge.

3. Since Outfall 007 (Intake Screen Backwash Water) is the primary Outfall for the Units 3, 4, 5 and 6 intake screen backwash water, and Outfall 009 is an intermittent discharge and only includes discharges from Units 3&4 intake screen backwash, the station would only use Outfall 009 if the bridge and trough connecting the intakes fails. Outfall 007 and 009 would be separate until repairs are made to the bridge and trough. For this reasons, we request that the DEQ rewords the descriptions for Outfalls 007&009 in Part I A of the permit (pages 5 & 7) as follows:

Part 1A. Page 5

5. **Outfall 007 – Intake Screen Backwash Water** ~~(Units 5 and 6 formerly Units 1 and 2)~~(Units 3, 4, 5, and 6)
   a. There shall be no discharge of floating solids or visible foam in other than trace amounts.
   b. During the period beginning with the permit's effective date and lasting until the expiration date, the permittee is authorized to discharge from Outfall Number 007. Such discharges shall be limited and monitored by the permittee as specified below.
   ~~c. The permittee is authorized to discharge Intake Screen Backwash Water from Units 3 and 4 through Outfall 007 until such time that Outfall 009 is operational.~~

Part 1A. Page 7

7. **Outfall 009 – Intake Screen Backwash Water (Units 3 and 4)**
   a. There shall be no discharge of floating solids or visible foam in other than trace amounts.
   b. During the period beginning with the permit's effective date and lasting until the expiration date, the permittee is authorized to discharge from Outfall Number 009. Such discharges shall be limited and monitored by the permittee as specified below.
   ~~c. Until such time that Outfall 009 is operational, the permittee is authorized to discharge Intake Screen Backwash Water from Units 3 and 4 through Outfall 007~~

POTOMAC RIVER

COOLING TOWER LOSSES TO ATMOSPHERE

BOILER, PREHEATER, ECONOMIZER, PRECIPITATOR & PIPING SYSTEM CLEANING, STORM WATER

INTAKE SCREEN BACKWASH UNITS 1 2 0.19 MGD

INTAKE SCREEN BACKWASH UNITS 3 4 0.19 MGD

SEAL PIT

ONCE THROUGH COOLING UNIT 3
UNIT 5 COOLING TOWER MAKEUP
STORM WATER

96.38 MGD

COOLING TOWER BLOWDOWN UNIT 5 1.48 MGD

COOLING TOWER BLOWDOWN UNIT 6 0.91 MGD

ONCE THROUGH COOLING UNIT 4 82.55 MGD

RO Reject from mobile RO trailers

UNIT 1 4 FLOOR DRAIN, UNIT 3&4 LOW VOLUME WASTEWATER, UNIT 3&4 BOILER BLOWDOWN, UNIT 4 DISTILLED WATER, UNIT 5 COOLING TOWER DRIFT, CONDENSER DRAIN, FDR BLOWDOWN, CONDENSER FLOOR DRAINS, AND STORM WATER/YARD DRAINS,

LOW HEAD CIRC WATER FILTER, FLOOR DRAINS UNIT 5, BOILER BLOWDOWN UNIT 5, HOTWELL BLOWDOWN UNIT 5, MP F.O.&4 TANK DRAIN UNIT 5, EVAP BLOWDOWN UNIT 5 FLASH EVAP CONDENSATE DUMP UNIT 5 TANK BOTTOMS, STORM WATER MIX BOILER BLOWDOWN, UNIT 6 COOLING TOWER DRIFT, BLACK START COMB. TURBINE FALSE START DRAINS

METALS CLEANING WASTE TREATMENT FACILITY 1.34 MGD

INTERNAL OUTFALL 201

INTERNAL OUTFALL 202

UNIT 5 COOLING TOWER DRIFT, SAND FILTER BACKWASH, QUENCH WATER, BOILER BLOWDOWN, WATER TREATMENT SUMPS/DRAINS, TURBINE WASHWATER, FLAME START DRAINS, RO & E.D. BLOWDOWN, DEMINERALIZED WATER, CLARIFIER DRAINS, NEUTRALIZATION PIT, LOW VOLUME WASTEWATER, AND STORM WATER/YARD DRAINS

LOW VOLUME SETTLING 2.32 MGD

OIL WASTE TREATMENT BASIN 0.867 MGD

INTERNAL OUTFALL 502

STORM WATER

INTERNAL OUTFALL 501

MUNICIPAL WATER SUPPLY 0.3 MGD

UNIT 5 SEAL OIL SYSTEM

ASH POND E 0.98 MGD

STORM WATER

ASH POND D

OUTFALL 007 INTO POTOMAC RIVER

OUTFALL 009 INTO POTOMAC RIVER

OUTFALL 001 INTO QUANTICO CRK

OUTFALL 002 INTO QUANTICO CRK

OUTFALL 003 INTO QUANTICO CRK

OUTFALL 004 INTO POTOMAC RIVER

POTABLE & SANITARY WATER SYSTEMS

PRINCE WILLIAM COUNTY MUNICIPAL TREATMENT SYSTEM

OUTFALL 005 INTO QUANTICO CRK

INTAKE SCREENWF 1 FREEZE PROTECTION 0.0 MGD

OUTFALL 008 INTO POTOMAC RIVER

NOTES:

1. DIAGRAM TO ACCOMPANY VPDES PERMIT NO. VA0002071 REISSUANCE APPLICATION. LINE DRAWING OF WATER FLOW THROUGH POSSUM POINT POWER STATION (FORM 2C PART II.A),2012.
2. FLOW VALUES REFLECT AVERAGE FLOW DATA FROM 2009-2011.
3. DASHED LINES INDICATE INTERMITTENT DISCHARGES.
4. COOLING TOWER EVAPORATION LOSSES ARE HIGHLY VARIABLE AND NOT AVAILABLE.
5. DIRECT DISCHARGES OF STORM WATER TO QUANTICO CREEK AND POTOMAC RIVER NOT SHOWN.
6. PREVIOUSLY AUTHORIZED TEMPORARY ROUTING OF SEAL PIT WATER TO ASH POND E FOR FREEZE PROTECTION VIA ASH SLUICE LINE NOT SHOWN.
7. PREVIOUSLY AUTHORIZED TEMPORARY ROUTING OF UNIT 5 LIFT STATION FLOW TO OILY WASTE POND TO LOW VOLUME SETTLING PONDS NOT SHOWN.

APPROVAL OF THE SUPT OF TECH SERVICES IS REQ'D PRIOR TO ISSUE OF THIS DWG

REV	DATE	DRWN	CHKD	APPD	ENGR	REV	DATE	DRWN	CHKD	APPD	ENGR	REV	DATE	DRWN	CHKD	APPD	ENGR
						1	REVISED PER ENVIRONMENTAL REDLINE TO INCORPORATE STATION REVIEW.					0	ORIG. ISSUE FOR 600 SERIES ACAD CONVERSION. REV PER ENVIRONMENTAL REDLINE.				
							5/31/12	KTC	OD-D	RWM			3/6/12	KTC	OD-D	RWM	— —

VIRGINIA POWER
NORTH CAROLINA POWER

FOSSIL & HYDRO ENGINEERING
RICHMOND, VIRGINIA

WATER FLOW BALANCE LINE DIAGRAM

POSSUM POINT POWER STATION

CAD FILE: DGNSPEC FOR FILE VERIFICATION DATE$$$$$$

DRAWING NO. PP-0-SP-STA-600 REV. 2

00013304

Discharge from Unit 6 RO trailer
Updated Form 2C

Please type or print in the unshaded areas only

EPA ID Number *(Copy from Item 1 of Form 1)*
110000340774

Form Approved
OMB No. 2040-0086
Approval expires 3-31-98

Form **2C** NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITIUDE			C. LONGITUDE			D. RECEIVING WATERS (*name*)
	1. Deg	2. Min	3. Sec	1. Deg	2. Min	3. Sec	
001	38	32	12	77	17	00	Quantico Creek
002	38	32	12	77	17	00	Quantico Creek
(201)	38	32	11	77	16	57	Internal discharge to Outfall 001/002
(202)	38	32	11	77	16	57	Internal discharge to Outfall 001/002
003	38	32	17	77	16	58	Quantico Creek
004	38	31	57	77	17	04	Mouth of Quantico Creek
005	38	32	10	77	12	36	Tributary to Quantico Creek
(501)	38	32	58	77	17	20	Internal discharge to Outfall 005
(502)	38	32	42	77	16	40	Internal discharge to Outfall 005
007	38	32	9	77	16	47	Potomac River
008	38	32	10	77	16	46	Potomac River
009	38	32	11	77	16	45	Potomac River

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., *for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Condenser Cooling Water & Cooling Tower Blowdown Sources: Unit 3 condenser Cooling Water, Outfall 201 (Unit 6 Blowdown), Outfall 202 (Unit 6 Blowdown), Storm Water	86.38 MGD	Mixing / Discharge to surface Water	1-O	4-A
002	Condenser Cooling Water & Cooling Tower Blowdown Sources: Unit 3 condenser Cooling Water, Outfall 201 (Unit 5 Blowdown), Outfall 202 (Unit 6 Blowdown)		Mixing / Discharge to surface Water	1-O	4-A
(201)	Cooling Tower Blowdown Source: Unit 5	1.48 MGD	Dechlorination/Sedimentation/ Mixing	2-E 1-O	1-U
(202)	Cooling Tower Blowdown Source: Unit 6	0.91 MGD	Dechlorination/Sedimentation/ Mixing	2-E 1-O	1-U
003	Condenser Cooling Water Source: Unit 4	82.55 MGD	Discharge to surface Water	4-A	--
004	Low Volume Waste Settling Pond Sources: Unit 5 Cooling Tower Drift, Yards Drains, Floor Drains, Unit 5 Circulating water, Units 1-4 Sand Filter Backwash, Filter Purge, Unit 6 Wash Water, EDR Backwash, Neutralization Sump, Storm Water, RO Reject	2.02 MGD	Sedimentation/ Flocculation/ Skimming/ Neutralization/ Chemical Precipitation/ Mixing/ Discharge to Surface Water	1-U X-X 2-C 4-A	1-G 2-K 1-O
005	Ash Pond E Source: Ash Pond D Discharge, Tank Bottoms, Storm Water, Potomac River Intake Water, Outfalls 501 and 502 discharges	0.98 MGD	Sedimentation/ Mixing/ Skimming/ Discharge to Surface Water	1-U 1-O	X-X 4-A
(501)	Metals Cleaning Waste Treatment Basin Source: Boiler Wash water, Air Preheater Rinse, Precipitator Rinse, Storm Water	1.04 MGD	Mixing/ Neutralization/ Chemical Precipitation/ Sedimentation/	1-O 2-C	2-K 1-U
(502)	Oily Waste Treatment Basin Source: Unit 5 wastewater from various operations, Oil Unloading and Handling System Wastewater, Tank Bottoms, Auxiliary Boiler blow down, Unit 6 Cooling Tower drift, False Start Drains, Storm Water	0.57 MGD	Mixing/ Sedimentation/ Skimming	1-O X-X	1-U
007	Intake Screen Backwash Water Source: Units 1-2 Cooling Water Intake Structures	0.19 MGD	Mixing / Discharge to surface Water	1-O	4-A
008	Intake Screenwell Freeze Protection Water Source: Non Contact Cooling Water	0.0 MGD	Mixing / Discharge to surface Water	1-O	4-A
009	Intake Screen Backwash Water Source: Units 3-4 Cooling Water Intake Structures	0.19MGD	Mixing / Discharge to surface Water	1-O	4-A

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

( )= internal outfall

00013306

Oula K Shehab-Dandan (Services - 6)

From: Mackert, Susan (DEQ) [Susan.Mackert@deq.virginia.gov]
Sent: Friday, April 25, 2014 2:18 PM
To: Oula K Shehab-Dandan (Services - 6)
Cc: Jeffrey R Marcell (Generation - 3); Kenneth Roller (Services - 6); Cathy C Taylor (Services - 6); Pamela Faggert (Services - 6)
Subject: RE: Possum Point Power Station- Portable RO Trailer

Hi Oula,

Staff has reviewed Dominion's request and has no objection to the use of the portable RO trailer. As always, Dominion shall take all necessary actions to insure that the discharge from Outfall 004 remains in compliance with established permit limitations. If exceedances of the established limitations occur, Dominion shall take all necessary actions to bring the discharge back in to compliance with the permit.

Please let me know if you require anything further.

Regards,
Susan

Susan Mackert
Water Permit Writer, Senior II
Regional Industrial Storm Water Coordinator
Certified Erosion and Sediment Control Inspector #2804
Virginia Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193
Phone: (703) 583-3853
Fax: (703) 583-3821
susan.mackert@deq.virginia.gov

From: Oula K Shehab-Dandan (Services - 6) [mailto:oula.k.shehab-dandan@dom.com]
Sent: Monday, April 21, 2014 10:14 AM
To: Mackert, Susan (DEQ)
Cc: Jeffrey R Marcell (Generation - 3); Kenneth Roller (Services - 6); Cathy C Taylor (Services - 6); Pamela Faggert (Services - 6)
Subject: Possum Point Power Station- Portable RO Trailer

Hi Susan.

As discussed last week during your site visit at Possum Point Power Station, the station needs to add a potable RO (double pass) trailer to be able to operate all units (Units 3, 4 & 6A on gas, U5 operating and U6B operating on oil) when dispatched during hot summer weather. The portable RO trailer will be hooked up after the existing clarifier and the sand filter using service water. The station plans to bring the RO trailer from 05/01 through 09/30.

The RO product will be sent through a demin trailer and into the U6 demin tank. This will be used in parallel to the station's current demin plant. The RO reject from the RO trailer will be discharged through the same station's treatment system through Outfall 004 (roughly 120 gpm max).

In 2009 and in winter of 2014, the station received approval for a similar RO unit that was used in parallel to the station's treatment systems.

I attached here the station's flow diagram and indicated where the changes are anticipated.

Please let me know if you need additional information. Your quick review and approval will be greatly appreciated.

Thanks

Oula Shehab-Dandan
Environmental Consultant
Electric Environmental Services

Dominion Resources Inc.
5000 Dominion Boulevard
Glen Allen VA 23060
Phone: 804-273-2697
Tie line 8-730-2697
oula.k.shehab-dandan@dom.com

Oula K Shehab-Dandan (Services - 6)

From: Mackert, Susan (DEQ) [Susan.Mackert@deq.virginia.gov]
Sent: Tuesday, January 21, 2014 3:15 PM
To: Oula K Shehab-Dandan (Services - 6)
Subject: RE: Possum Point Power Station-

Hi Oula,

DEQ has reviewed Dominion's request and has no objection to the use of a potable RO trailer. As always, Dominion will be responsible for the discharge from Outfall 004 and shall maintain compliance with all effluent limitations established for this outfall. Should any effluent limitation not be met, Dominion shall be responsible for bringing the discharge back in to compliance with all established limitations as soon as possible.

Please let me know if you require anything further.

Regards,
Susan

From: Oula K Shehab-Dandan (Services - 6) [oula.k.shehab-dandan@dom.com]
Sent: Tuesday, January 21, 2014 12:35 PM
To: Mackert, Susan (DEQ)
Cc: Kenneth Roller (Services - 6); Jeffrey R Marcell (Generation - 3); Cathy C Taylor (Services - 6); Pamela Faggert (Services - 6); Rick Woolard (Services - 6)
Subject: Possum Point Power Station-

Hi Susan,

As discussed this morning, due to the anticipated inclement weather, all units at Possum Point Power Station have been dispatched (Units 3, 4 & 6A on gas, U5 operating and U6B operating on oil). For this reason, the station needs to add a potable RO (single pass) trailer. It will be hooked up after the existing clarifier and the sand filter using service water.

The RO product will be sent through a demin trailer and into the U6 demin tank. This will be used in parallel to the station's current demin plant. The RO reject from the RO trailer will be discharged through the same station's treatment system through Outfall 004 (roughly 60gpm max).

In 2009 the station received approval for a similar RO unit that was used in parallel to the station's treatment systems.

I attached here the station's flow diagram and indicated where the changes are anticipated.

Please let me know if you need additional information. Your quick review and approval will be greatly appreciated.

Thanks

Oula Shehab-Dandan
Environmental Consultant
Electric Environmental Services

Dominion Resources Inc.
5000 Dominion Boulevard
Glen Allen VA 23060
Phone: 804-273-2697
Tie line 8-730-2697
oula.k.shehab-dandan@dom.com

Public Notice Authorization

AUTHORIZATION FOR PUBLIC NOTICE BILLING

TO

VPDES PERMIT APPLICANT

I hereby authorize the Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in the ***News & Messenger***.

Authorizing Agent: Cathy C Taylor
Signature

Applicant's Address: Cathy C. Taylor
Dominion
5000 Dominion Blvd.
Glen Allen, VA 23060

Telephone Number: 804/273-2929

Permit No. VA0002071
Attn: Susan Mackert

Permit Application Fee Form
&
Check

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER DIVISION
PERMIT APPLICATION FEE FORM
EFFECTIVE JANUARY 1, 2008

INSTRUCTIONS

Applicants for individual Virginia Pollutant Discharge Elimination System (VPDES), Virginia Pollution Abatement (VPA), Virginia Water Protection (VWP), Surface Water Withdrawal (SWW), and Groundwater Withdrawal (GW) Permits are required to pay permit application fees, except farming operations engaged in production for market. Fees are also required for registration for coverage under General Permits except for the general permits for sewage treatment systems with discharges of 1,000 gallons per day (GPD) or less and for Corrective Action Plans for leaking underground storage tanks. Except for VWP permits, fees must be paid when applications for permit issuance, reissuance* or modification are submitted. Applicants for VWP permits will be notified by the DEQ of the fee due. Applications will be considered incomplete if the proper fee is not paid and will not be processed until the fee is received. (* - the reissuance fee does not apply to VPDES and VPA permits - see the fee schedule included with this form for details.)

The permit fee schedule is included with this form. Fees for permit issuance or reissuance and for permit modification are included. Once you have determined the fee for the type of application you are submitting, complete this form. The original copy of the form and your check or money order payable to "Treasurer of Virginia" should be mailed to:

Department of Environmental Quality
Receipts Control
P.O. Box 1104
Richmond, VA 23218

You should retain a copy for your records. Please direct any questions regarding this form or fee payment to the DEQ Office to which you are submitting your application.

APPLICANT NAME: Virginia Electric and Power Company

ADDRESS: 5000 Dominion Blvd

Glen Allen VA

23060

DAYTIME PHONE: (804) 273 - 2697 (Area Code)

IRS Employer Identification Number (EIN): [aka Federal Tax Identification Number (FIN)] 54-0418825

FACILITY/ACTIVITY NAME: Dominion- Possum Point Power Station

LOCATION: 19000 Possum Point Road, Dumfires, VA 22026

TYPE OF PERMIT APPLIED FOR: (from Fee Schedule - see back of form) VPDES Permit Major (modification)

TYPE OF ACTION: ☐ New Issuance ☐ Reissuance ☒ Modification

AMOUNT OF FEE SUBMITTED (from Fee Schedule): $ 12,000

EXISTING PERMIT NUMBER (if applicable): VA0002071

DEQ OFFICE TO WHICH APPLICATION OR REGISTRATION SUBMITTED (check one)

☐ Abingdon/SWRO	☐ Harrisonburg/VRO	☒ Woodbridge/NVRO	☐ Lynchburg/BRRO-L
☐ Richmond/PRO	☐ Richmond/Headquarters	☐ Roanoke/BRRO-R	☐ Virginia Beach/TRO

FOR DEQ USE ONLY
Date: _____
DC #: _____

Send Original Form and Check (made out to "Treasurer of Virginia") to: DEQ Receipts Control, PO Box 1104, Richmond, VA 23218

Revised May 31, 2013

00013314

FEE SCHEDULES

A. VPDES and VPA Permits. Applications for issuance of new individual VPDES or VPA permits, and for permittee initiated major modifications that occur (and become effective) before the stated permit expiration date. (Flows listed are facility "design" flows. Land application rates listed are facility "design" rates.) [NOTE: VPDES and VPA permittees pay an Annual Permit Maintenance Fee (APMF) instead of a reapplication fee. The permittee is billed separately by DEQ for the APMF.]

TYPE OF PERMIT	ISSUANCE	MODIFICATION	LAND APP MOD*
VPDES Industrial Major	$24,000	$12,000	
VPDES Municipal Major	$21,300	$10,650	$1,000
VPDES Industrial Minor / No Standard Limits	$10,200	$5,150	
VPDES Industrial Minor / Standard Limits	$3,300	$3,300	
VPDES Industrial Stormwater	$7,200	$3,600	
VPDES Municipal Minor / Greater Than 100,000 GPD	$7,500	$3,750	$1,000
VPDES Municipal Minor / 10,001 GPD - 100,000 GPD	$6,000	$3,000	$1,000
VPDES Municipal Minor / 1,001 GPD - 10,000 GPD	$5,400	$2,700	$1,000
VPDES Municipal Minor / 1,000 GPD or Less	$2,000	$1,000	
VPDES Municipal Minor / 1,000 GPD or Less that includes authorization for land application or land disposal of sewage sludge	$5,000	$1,000	$1,000
VPA Industrial Wastewater Operation / Land Application of 10 or More Inches Per Year	$15,000	$7,500	
VPA Industrial Wastewater Operation / Land Application of Less Than 10 Inches Per Year	$10,500	$5,250	
VPA Industrial Sludge Operation	$7,500	$3,750	
VPA Municipal Wastewater Operation	$13,500	$6,750	
VPA Municipal Biosolids Operation	$5,000	$1,000	
VPA Combined Sludge Operation - Mun. Biosolids & Ind. Sludges (except WTP residuals)	$7,500	$3,750	
All other VPA operations not specified above	$750	$375	

* The fee for modification of a VPDES permit due to changes relating to authorization for land application or land disposal of sewage sludge shall be $1,000.

B. Virginia Water Protection (VWP) Permits. Applications for issuance of new individual, and reissuance or major modification of existing individual VWP permits. Only one permit application fee will be assessed per application; for a permit application involving more than one of the operations described below, the governing fee shall be based upon the primary purpose of the proposed activity. (Withdrawal amounts shown are maximum daily withdrawals.)

TYPE OF PERMIT	ISSUANCE/REISSUANCE	MODIFICATION
VWP Individual / Surface Water Impacts (Wetlands, Streams and/or Open Water)	$2,400 plus $220 for each 4,356 sq. ft. (1/10 acre) (or portion thereof) of incremental impact over 87,120 sq. ft. (two acres) ($60,000 maximum)	$1,200 plus $110 for each 4,356 sq. ft. (1/10 acre) (or portion thereof) of incremental impact over 87,120 sq. ft. (two acres) ($30,000 maximum)
VWP Individual/Minimum Instream Flow - Withdrawals equal to or greater than 3,000,000 gallons on any day	$25,000	$5,000
VWP Individual / Minimum Instream Flow - Withdrawals between 2,000,000 and 2,999,999 gallons on any day	$20,000	$5,000
VWP Individual / Minimum Instream Flow - Withdrawals between 1,000,000 and 1,999,999 gallons on any day	$15,000	$5,000
VWP Individual / Minimum Instream Flow - Withdrawals < 1,000,000 gallons on any day that do not otherwise qualify for a general VWP permit for water withdrawals	$10,000	$5,000
VWP Individual / Reservoir - Major	$35,000	$12,500
VWP Individual / Reservoir - Minor	$25,000	$12,500
VWP Individual/Nonmetallic Mineral Mining	$2,400 plus $220 for each 4,356 sq. ft. (1/10 acre) (or portion thereof) of incremental impact over 87,120 sq. ft. (two acres) ($7,500 maximum)	$1,200 plus $110 for each 4,356 sq. ft. (1/10 acre) (or portion thereof) of incremental impact over 87,120 sq. ft. (two acres) ($3,750 maximum)

C. Surface Water Withdrawal (SWW) and Groundwater Withdrawal (GW) Permits. Applications for issuance of new individual, and reissuance or major modification of existing individual SWW permits or GW permits.

TYPE OF PERMIT	ISSUANCE/REISSUANCE	MODIFICATION
Surface Water Withdrawal	$12,000	$6,000
Groundwater Withdrawal / Initial Permit for an Existing Withdrawal Based Solely on Historic Withdrawals	$1,200	$600
Groundwater Withdrawal	$6,000	$3,000

D. Registration Statements (VPDES and VPA permits) or Applications (VWP permits) for General Permit Coverage.

1. Except as specified in 2, 3, and 4 below, the fee for registration for coverage under a general permit is $600.
2. General VPDES Permit for Domestic Sewage Discharges of Less Than or Equal to 1,000 GPD (VAG40) = $0.
   General VPDES Permit Regulation for Discharges From Petroleum Contaminated Sites (VAG83) = $0.
3. VWP General Permit:

TYPE OF PERMIT	ISSUANCE
VWP General / Less Than 4,356 sq. ft. (1/10 acre) of Surface Water Impact (Wetlands, Streams and/or Open Water)	$0
VWP General / 4,356 sq. ft. to 21,780 sq. ft. (1/10 acre to 1/2 acre) of Surface Water Impact (Wetlands, Streams and/or Open Water)	$600
VWP General / 21,781 sq. ft. to 43,560 sq. ft. (greater than 1/2 acre to one acre) of Surface Water Impact (Wetlands, Streams and/or Open Water)	$1,200
VWP General / 43,561 sq. ft. to 87,120 sq. ft. (greater than one acre to two acres) of Surface Water Impact (Wetlands, Streams and/or Open Water)	$1,200 plus $120 for each 4,356 sq. ft. (1/10 acre) (or portion thereof) of incremental impact over 43,560 sq. ft. (one acre) ($2,400 maximum)
VWP General / Minimum Instream Flow / Reservoir - Water withdrawals and/or pond construction	$2,400

4. General VPDES Permit for Industrial Activity Storm Water Discharges (VAR05) = $500.

Dominion
P. O. Box 25459
Richmond, VA 23260-5459

DATE: June 23, 2014
Document Number: 20000290971000
CHECK NUMBER: 513238
AMOUNT PAID: $12,000.00

00223 CKS 6A 14174 - 0000513238 NNNNNNNNNNN 1745100002003 X697A1 C
VIRGINIA COMMONWEALTH OF
ENVIRONMENTAL QUALTIY DEPT
FINANCIAL MANAGEMENT OFFICE
PO BOX 10150
RICHMOND VA 23240-0150

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Vendor Number: 300011540

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Invoice Date	Invoice Number	Purchase Order	Description	Gross Amount	Discount	Net Amount
06/17/14	EF0000057469		Possum Point VPDES Permit Modification Application	$12,000.00	$0.00	$12,000.00
			TOTALS	$12,000.00	$0.00	$12,000.00

PLEASE DETACH BEFORE DEPOSITING CHECK

Dominion

50-937
213

CHECK NUMBER 513238

June 23, 2014

*** VOID AFTER 90 DAYS ***

Vendor Number: 300011540

Document No: 20000290971000

CHECK AMOUNT
$12,000.00

PAY TO THE ORDER OF:
VIRGINIA COMMONWEALTH OF
ENVIRONMENTAL QUALTIY DEPT
FINANCIAL MANAGEMENT OFFICE
PO BOX 10150
RICHMOND, VA 23240-0150

EXACTLY *********12,000 DOLLARS AND 00 CENTS

JPMORGAN CHASE BANK, N.A.
Syracuse, NY
Dominion Virginia Power
Dominion North Carolina Power
and Dominion Generation

SECURITY FEATURES INCLUDED; SEE DETAILS ON BACK

Authorized Signature

⑈513238⑈ ⑆021309379⑆ 6018500786⑈

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